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Self contained liq. assay device for e.g. nucleic acid sequence - using pair of relatively movable plates one carrying reaction well and other reaction reagent reservoirs

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Alerting Abstract WO A

Reaction plate (24) contains a solid support and a well (66) for holding liquid reagents in contact with the support. A transfer plate (28) contains at least first and second reagent required for binding of ligand in detectable form to the solid support. The transfer plate (28) is mounted on the reaction plate (24) for movement thereon to a sample addition position, at which the first reservoir is aligned with the well, a first reagent transfer position, at which the second reservoir is aligned with the well. Release of the reagents from their respective wells is prevented until the associated reservoir is aligned with the well.

USE/ADVANTAGE - Assaying an analyte in a liquid sample e.g. for detecting a nucleic acid with a known target sequence. Allows a multiple solid phase reaction to be carried out in a single chamber which minimises variations in quantitative analyte measurements due to variations in reaction conditions, allowing self corrected analyte determinations based on a standard curve with background subtraction. @ (47pp Dwg.No.2/14)